

20. A process according to claim 19, wherein the catalyst is selected from the group consisting of copper (II) chloride, copper (II) sulfate, copper (II) phosphate, copper (II) nitrate salt, copper (II) acetate salt, copper (II) bromide salt and combinations thereof.

21. A process according to claim 19, wherein the catalyst is present in an amount ranging from about 5 ppb to about 5000 ppb, based on dry substance of starch.

22. A process according to claim 19, wherein the catalyst is present in an amount from about 100 ppb to about 1000 pbb, based on dry substance of the starch.

23. A process according to claim 19, wherein the divalent copper ions are enhanced by one or more of calcium, vanadium, manganese, iron or tungsten ions.

24. A process according to claim 19, wherein the starch is a potato starch or tapioca starch.

25. A process according to claim 19, wherein the hydrogen peroxide is used in an amount ranging from 0.01 to 5.0 wt.% based on dry substance of starch.

26. A process according to claim 19, wherein the hydrogen peroxide is used in an amount ranging from 0.05 to 2.5 wt.% based on dry substance of starch.

27. A process according to claim 19, wherein the derivative of the starch is a cationic, anionic or amphoteric starch.

28. An oxidized starch obtainable by a process comprising treating a root or tuber starch comprising at least 95 wt.% of amylopectin based on dry substance of the starch, or a derivative thereof, with hydrogen peroxide in the presence of a catalyst, wherein the

catalyst comprises divalent copper ions.

29. A binder in paper coatings or surface coatings comprising a process comprising treating a root or tuber starch comprising at least 95 wt.% of amylopectin based on dry substance of the starch, or a derivative thereof, with hydrogen peroxide in the presence of a catalyst, wherein the catalyst comprises divalent copper ions.

30. An adhesive comprising an oxidized starch derived from a process comprising treating a root or tuber starch comprising at least 95 wt.% of amylopectin based on dry substance of the starch, or a derivative thereof, with hydrogen peroxide in the presence of a catalyst, wherein the catalyst comprises divalent copper ions.

31. A warp yarn sizing comprising an oxidized starch derived from a process comprising treating a root or tuber starch comprising at least 95 wt.% of amylopectin based on dry substance of the starch, or a derivative thereof, with hydrogen peroxide in the presence of a catalyst, wherein the catalyst comprises divalent copper ions.

32. A coating for glass fibers comprising an oxidized starch derived from a process comprising treating a root or tuber starch comprising at least 95 wt.% of amylopectin based on dry substance of the starch, or a derivative thereof, with hydrogen peroxide in the presence of a catalyst, wherein the catalyst comprises divalent copper ions.

33. An abrasive paper additive comprising an oxidized starch derived from a process comprising treating a root or tuber starch comprising at least 95 wt.% of amylopectin based on dry substance of the starch, or a derivative thereof, with hydrogen peroxide in the presence of a catalyst, wherein the catalyst comprises divalent copper ions.